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NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
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SDIs in CAplus  
NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY  
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with the 228th ACS National Meeting  
NEWS 11 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display  
fields  
NEWS 12 AUG 02 CAplus and CA patent records enhanced with European and Japan  
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NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the  
228th ACS National Meeting  
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NEWS 15 AUG 04 Pricing for the Save Answers for SciFinder Wizard within  
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NEWS 16 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage  
NEWS 17 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal  
status data from INPADOC  
NEWS 18 SEP 01 INPADOC: New family current-awareness alert (SDI) available  
NEWS 19 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 20 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX  
NEWS 21 SEP 14 STN Patent Forum to be held October 13, 2004, in Iselin, NJ  
  
NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
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STRUCTURE FILE UPDATES: 19 SEP 2004 HIGHEST RN 748118-51-6  
DICTIONARY FILE UPDATES: 19 SEP 2004 HIGHEST RN 748118-51-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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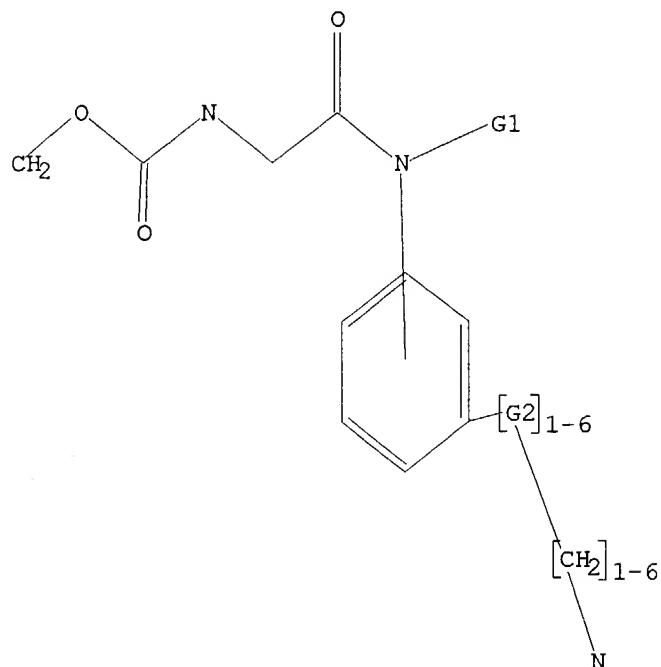
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\STNEXP4\QUERIES\759a.str

## L1 STRUCTURE UPLOADED

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



G1 H,Ak

G2 O,N,C

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 12:31:38 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 8311 TO ITERATE

12.0% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 160757 TO 171683  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search 11  
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.  
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full  
FULL SEARCH INITIATED 12:31:48 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 166269 TO ITERATE

100.0% PROCESSED 166269 ITERATIONS  
SEARCH TIME: 00.00.10

39 ANSWERS

L3 39 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'CAPLUS' ENTERED AT 12:32:09 ON 20 SEP 2004  
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FILE COVERS 1907 - 20 Sep 2004 VOL 141 ISS 13  
 FILE LAST UPDATED: 19 Sep 2004 (20040919/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13  
 L4 14 L3

=> d 14 fbib ab hitstr 1-14

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:767317 CAPLUS  
 DN 139:381230  
 TI Hydroformylation Reactions with Recyclable Rhodium-Complexed Dendrimers on a Resin  
 AU Lu, Shui-Ming; Alper, Howard  
 CS Centre for Catalysis Research and Innovation, Department of Chemistry, University of Ottawa, Ottawa, ON, K1N 6N5, Can.  
 SO Journal of the American Chemical Society (2003), 125(43), 13126-13131  
 CODEN: JACSAT; ISSN: 0002-7863  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 139:381230  
 AB Rhodium-complexed dendrimers supported on a resin were evaluated as catalysts for the hydroformylation of aryl olefins and vinyl esters. The results showed the reactions proceeded very efficiently at room temperature with excellent yields. Outstanding selectivity for the branched aldehydes was also observed in all cases. The dendritic catalysts can be recycled by simple filtration and reused even up to the tenth cycle without loss of activity and selectivity. These results represent a dramatic improvement over those previously described for rhodium-catalyzed (dendrimer and nondendrimer based) hydroformylation reactions.  
 IT 624735-07-5DP, resin-bound, reaction products with diphenylphosphine and formaldehyde followed by bis(chlorodicarbonylrhodium)

RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
USES (Uses)

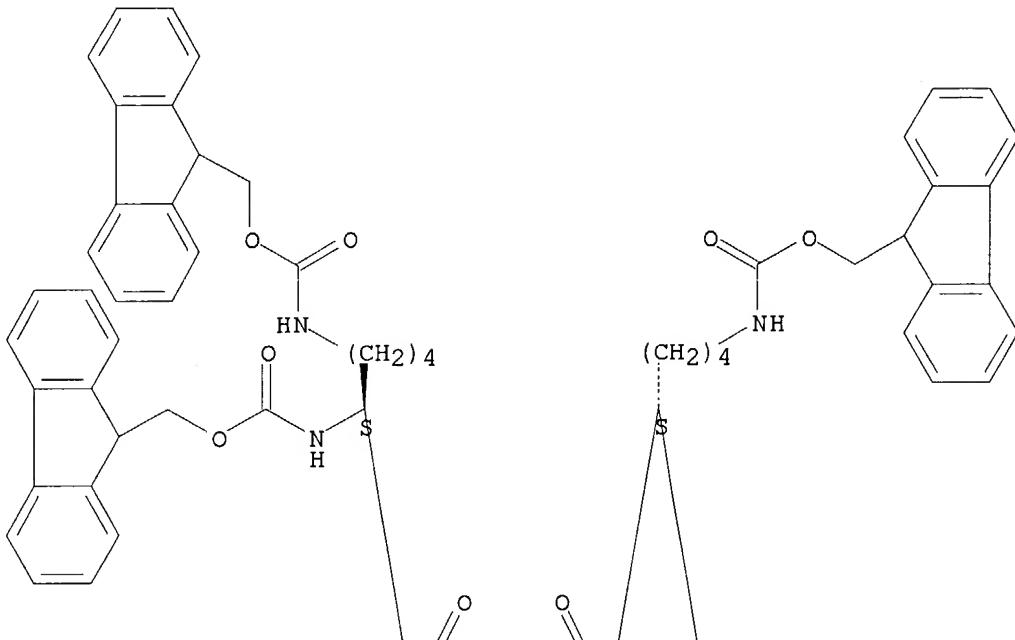
(dendrimer; preparation of recyclable rhodium-complexed dendrimers on resin  
as catalysts for regioselective hydroformylation of aryl olefins)

RN 624735-07-5 CAPLUS

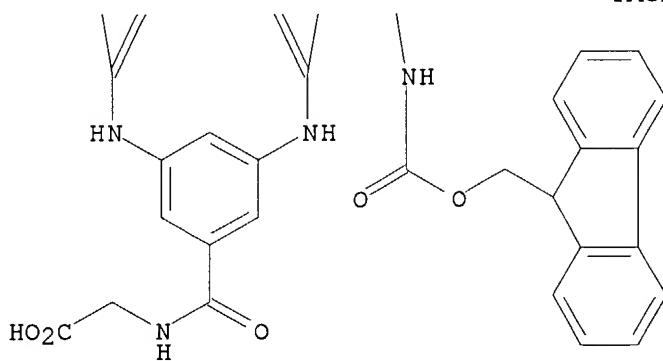
CN Glycine, N-[3,5-bis[(2S)-2,6-bis[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-  
1-oxohexyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



IT 624735-07-5P 624735-09-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

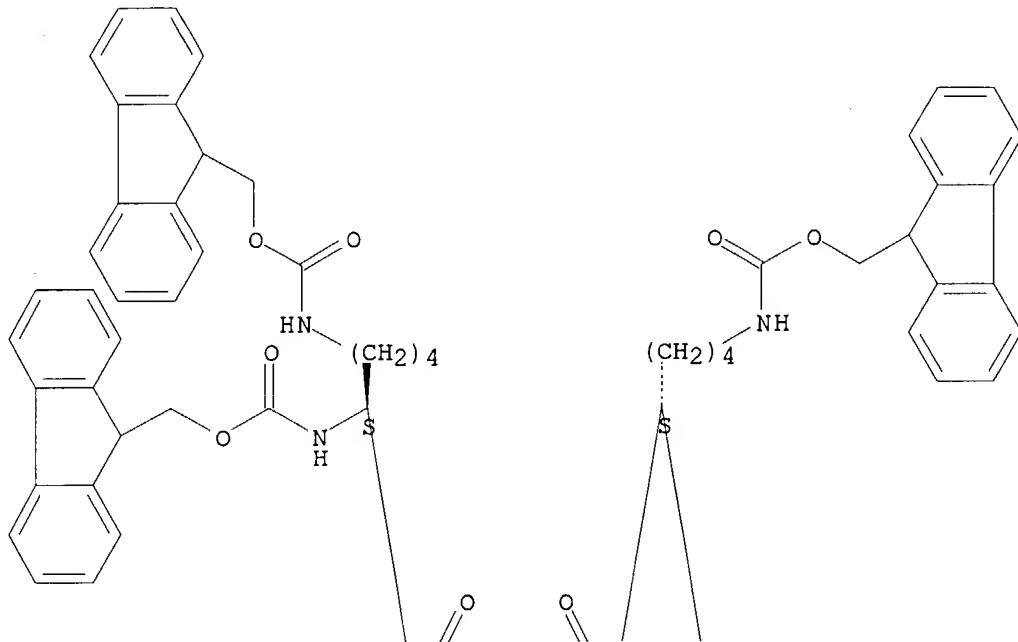
(preparation of recyclable rhodium-complexed dendrimers on resin as  
catalysts for regioselective hydroformylation of aryl olefins)

RN 624735-07-5 CAPLUS

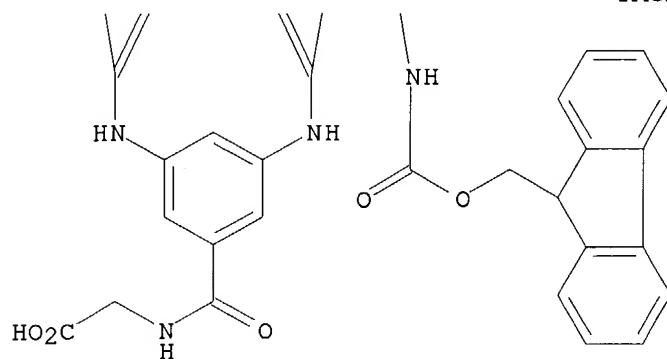
CN Glycine, N-[3,5-bis[(2S)-2,6-bis[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-1-oxohexyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



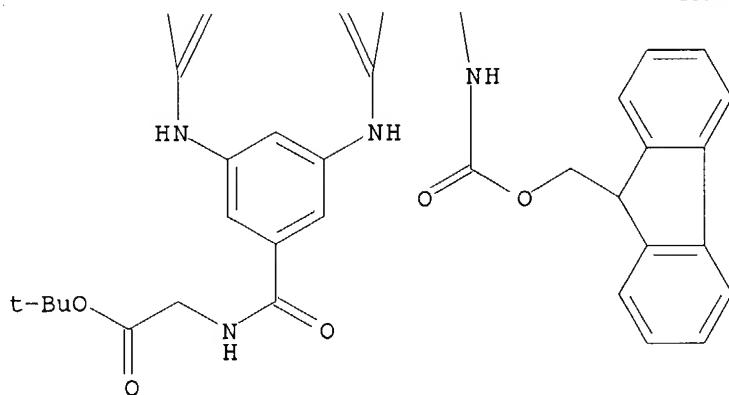
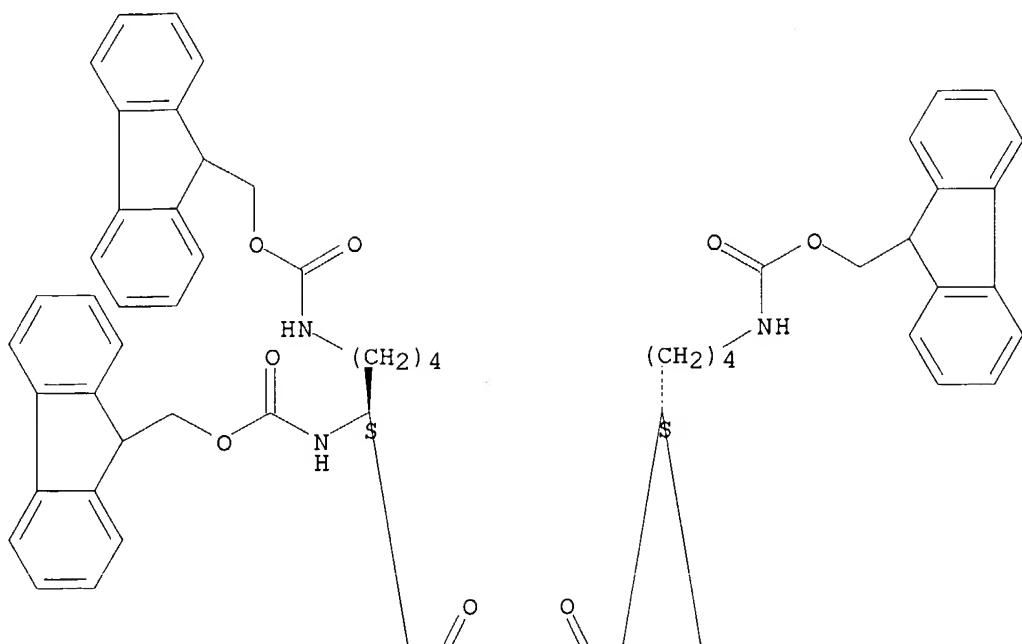
PAGE 2-A



RN 624735-09-7 CAPLUS

CN Glycine, N-[3,5-bis[(2S)-2,6-bis[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-1-oxohexyl]amino]benzoyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:960938 CAPLUS  
 DN 138:337781  
 TI Efficient synthesis of a new potential chelating agent for  
radioimmunotherapy  
 AU Gouin, Sebastien G.; Gestin, Jean-Francois; Remaud, Patricia;  
Faivre-Chauvet, Alain; Meslin, Jean Claude; Deniaud, David  
 CS Laboratoire de Synthese Organique, UMR CNRS 6513, Faculte des Sciences et  
des Techniques, Nantes, 44072, Fr.  
 SO Synlett (2002), (12), 2080-2082

CODEN: SYNLES; ISSN: 0936-5214  
PB Georg Thieme Verlag  
DT Journal  
LA English  
OS CASREACT 138:337781

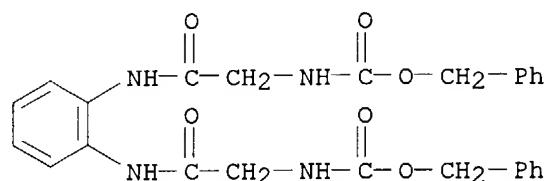
AB The synthesis of a new rigid analog of cyclohexyl-TTHA, an efficient lanthanide ligand, as well as the first complexation trials are reported. This polyaminopolycarboxylic acid (I) was obtained in five steps from o-phenylenediamine as starting product. The key intermediate was tetramine II, which after alkylation and hydrolysis gave I with ten coordination centers.

IT 518038-50-1P 518038-51-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of polyaminopolycarboxylic acid and its complexation with yttrium)

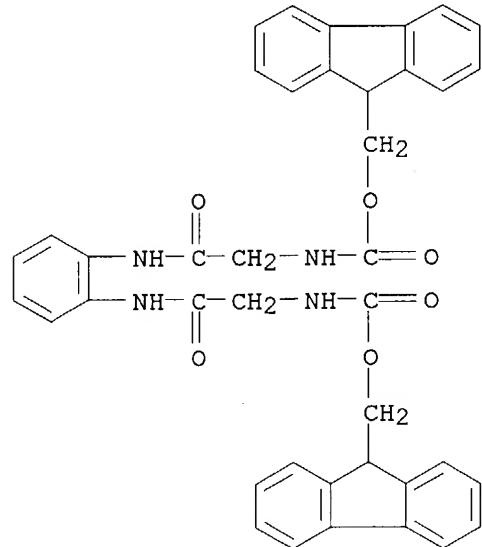
RN 518038-50-1 CAPLUS

CN Carbamic acid, [1,2-phenylenebis[imino(2-oxo-2,1-ethanediyl)]]bis-, bis(phenylmethyl) ester (9CI) (CA INDEX NAME)



RN 518038-51-2 CAPLUS

CN Carbamic acid, [1,2-phenylenebis[imino(2-oxo-2,1-ethanediyl)]]bis-, bis(9H-fluoren-9-ylmethyl) ester (9CI) (CA INDEX NAME)



RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:695943 CAPLUS  
 DN 137:216780  
 TI Preparation of aromatic carboxamides as modulators of receptor for advanced glycated end products (RAGE).  
 IN Mjalli, Adnan M. M.; Andrews, Rob; Wysong, Christopher  
 PA Transtech Pharma, Inc., USA  
 SO PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2002070473	A2	20020912	WO 2002-US6707	20020305	
	WO 2002070473	A3	20021227	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	US 2001-273403P US 2001-273404P US 2001-273429P US 2001-273445P US 2001-273446P US 2001-273454P US 2001-273455P	P 20010305 P 20010305 P 20010305 P 20010305 P 20010305 P 20010305 P 20010305
US	US 2002193432	A1	20021219	US 2002-91759	20020305	
				US 2001-273403P	P 20010305	
				US 2001-273404P	P 20010305	
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				US 2001-273445P	P 20010305	
				US 2001-273446P	P 20010305	
				US 2001-273454P	P 20010305	
				US 2001-273455P	P 20010305	
EP	EP 1377295	A2	20040107	EP 2002-713758	20020305	
				R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR	US 2001-273403P US 2001-273404P US 2001-273429P US 2001-273445P US 2001-273446P US 2001-273454P US 2001-273455P	P 20010305 P 20010305 P 20010305 P 20010305 P 20010305 P 20010305 P 20010305
				WO 2002-US6707	W 20020305	
				OS MARPAT 137:216780		
				AB G2R1R2CG1CONR3R4 [I; G1 = alkylene; G2 = H, alkyl, aryl, alkylaryl, amino, (substituted) imidazolyl; R1 = H, alkyl, aryl, alkylaryl; R2 = alkyl, aryl, aralkyl, etc.; R3 = H, alkyl, alkylaryl, alkoxyaryl; R4 = alkylaryl, alkoxyaryl, aryl], were prepared I are modulators of the interaction between the receptor for advanced glycated end products (RAGE) and its ligands, such as advanced glycated end products (AGEs), S100/calgranulin/EN-RAGE, β-amylloid and amphotericin. I are useful in		

treating inflammation, the development of diabetic late complications such as increased vascular permeability, nephropathy, atherosclerosis, and retinopathy, the development of Alzheimer's disease, erectile dysfunction, and tumor invasion and metastasis. Thus, 3-(3-tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic acid, HTBU, diisopropylethylamine, and 2,4-bis-(3-diethylaminoproxy)aniline (preparation given) were stirred overnight in MeCN to give 3-(3-tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic acid 2,4-bis-(3-diethylaminoproxy)aniline amide. The latter showed IC<sub>50</sub><0.5 μM for inhibition of binding of RAGE to s100b.

IT 457060-71-8P 457060-72-9P 457060-73-0P  
 457060-75-2P 457060-76-3P 457060-78-5P  
 457060-79-6P

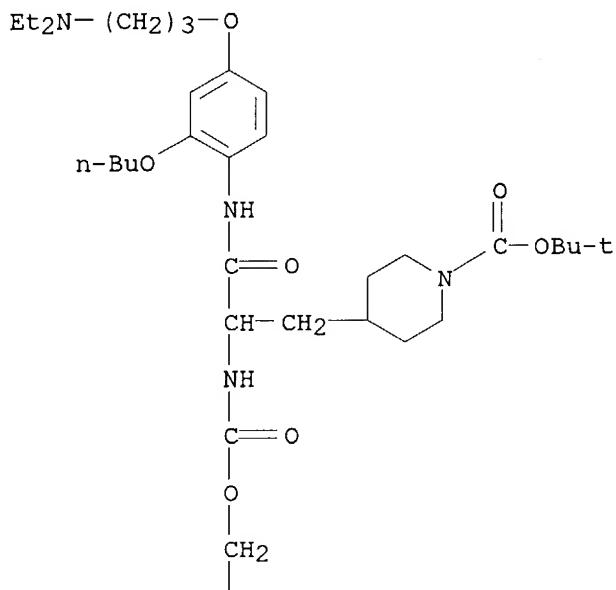
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aromatic carboxamides as modulators of receptor for advanced glycated end products (RAGE))

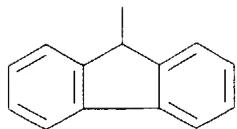
RN 457060-71-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[3-[[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI)  
 (CA INDEX NAME)

PAGE 1-A

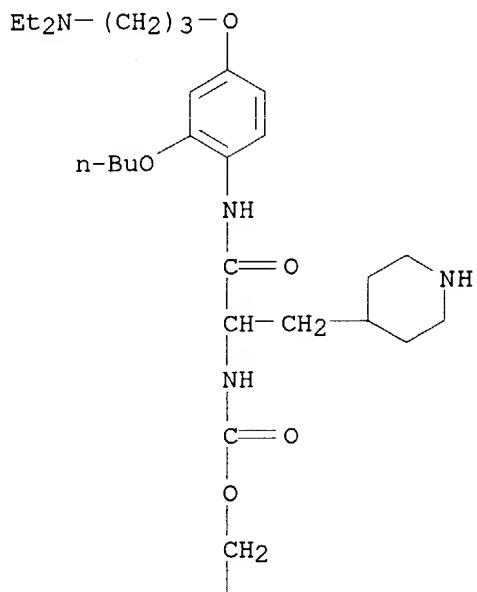


PAGE 2-A

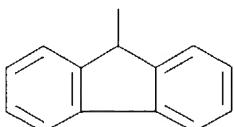


RN 457060-72-9 CAPLUS  
CN Carbamic acid, [2-[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-oxo-1-(4-piperidinylmethyl)ethyl-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

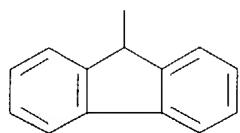
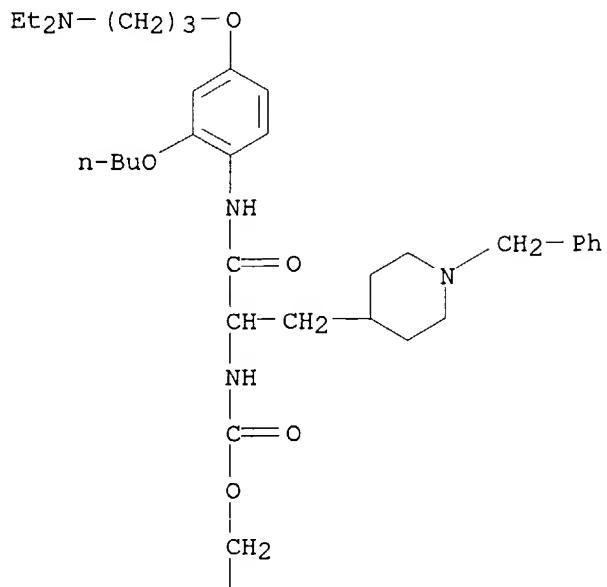
PAGE 1-A



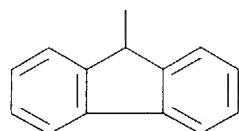
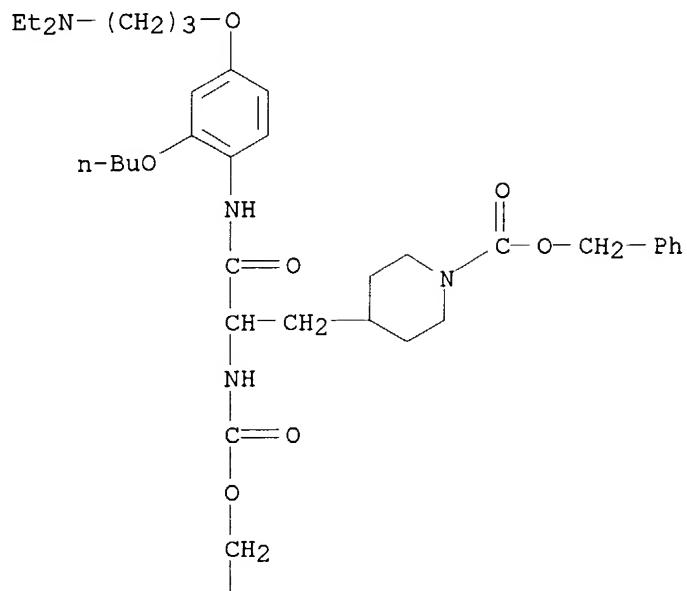
PAGE 2-A



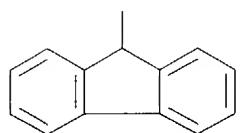
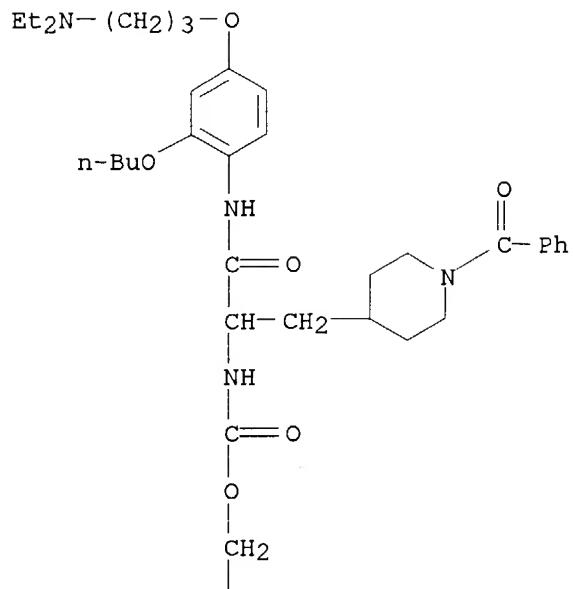
RN 457060-73-0 CAPLUS  
CN Carbamic acid, [2-[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-oxo-1-[1-(phenylmethyl)-4-piperidinylmethyl]ethyl-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)



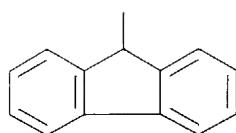
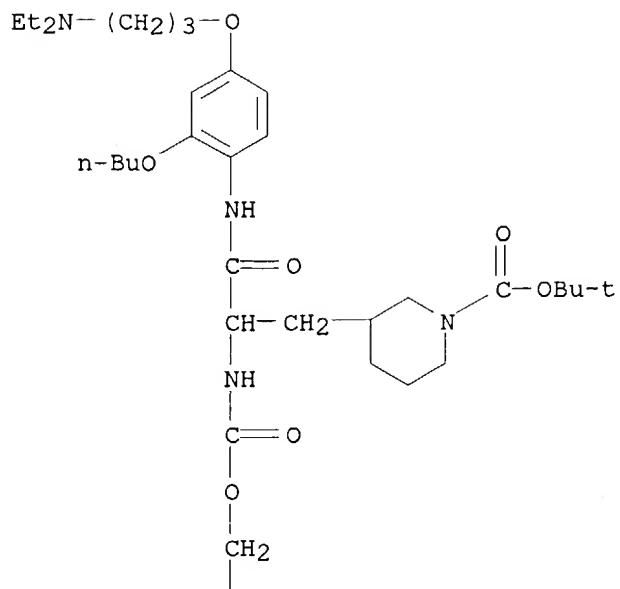
RN 457060-75-2 CAPLUS  
 CN 1-Piperidinecarboxylic acid, 4-[3-[[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-3-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



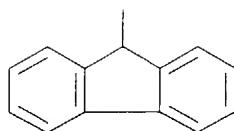
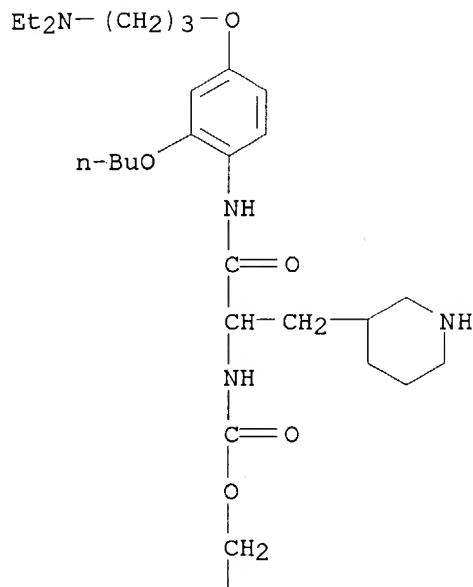
RN 457060-76-3 CAPLUS  
 CN Carbamic acid, [1-[(1-benzoyl-4-piperidinyl)methyl]-2-[[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)



RN 457060-78-5 CAPLUS  
 CN 1-Piperidinecarboxylic acid, 3-[3-[[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI)  
 (CA INDEX NAME)



RN 457060-79-6 CAPLUS  
 CN Carbamic acid, [2-[2-butoxy-4-[3-(diethylamino)propoxy]phenyl]amino]-2-oxo-1-(3-piperidinylmethyl)ethyl-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:462923 CAPLUS  
 DN 137:241208  
 TI Introduction of Lanthanide(III) Chelates to Oligopeptides on Solid Phase  
 AU Peuralahti, Jari; Hakala, Harri; Mukkala, Veli-Matti; Loman, Kristiina;  
 Hurskainen, Pertti; Mulari, Outi; Hovinen, Jari  
 CS PerkinElmer Life Sciences Wallac Oy, Turku, FIN-20101, Finland  
 SO Bioconjugate Chemistry (2002), 13(4), 870-875  
 CODEN: BCCHE; ISSN: 1043-1802  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 137:241208  
 AB The synthesis of oligopeptide building blocks for the introduction of nonluminescent and luminescent lanthanide(III) chelates to the oligopeptide structure on the solid phase is described. The oligopeptide conjugates synthesized were used in DELFIA-based receptor binding assay (motilin) as well as in LANCE time-resolved fluorescence quenching assay (caspase-3).  
 IT 450374-57-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

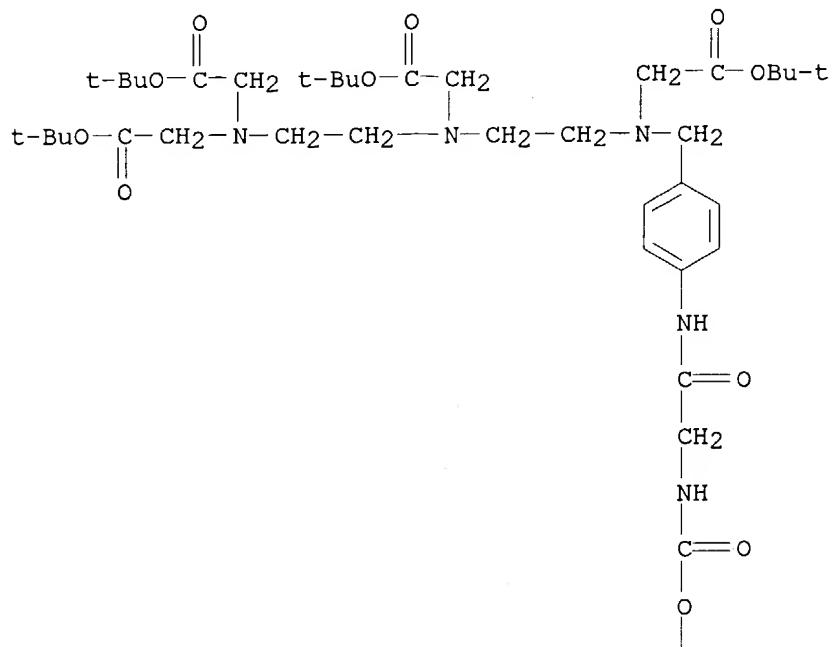
(Reactant or reagent)

(preparation of nonluminescent and luminescent lanthanide(III) chelates and their incorporation in solid-phase peptide synthesis)

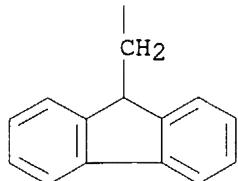
RN 450374-57-9 CAPLUS

CN 3-Oxa-6,9,12-triazatetradecan-14-oic acid, 6,9-bis[2-(1,1-dimethylethoxy)-2-oxoethyl]-12-[4-[[[[9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]methyl]-2,2-dimethyl-4-oxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RE.CNT 8

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:149241 CAPLUS

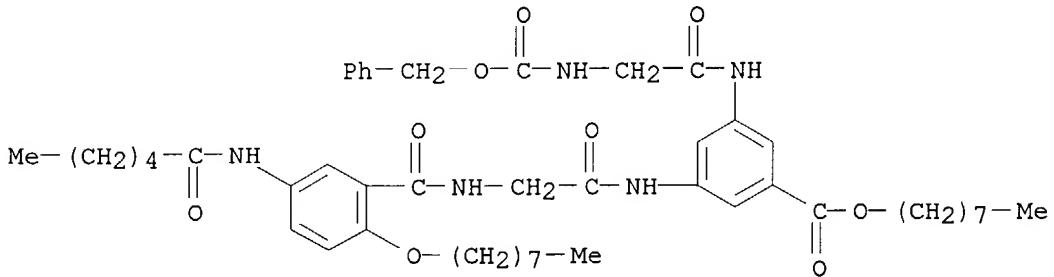
DN 136:340985

TI A Noncovalent Approach to Antiparallel  $\beta$ -Sheet Formation

AU Zeng, Huaqiang; Yang, Xiaowu; Flowers, Robert A., II; Gong, Bing

CS Department of Chemistry, Natural Sciences Complex, State University of New York, Buffalo, NY, 14260, USA

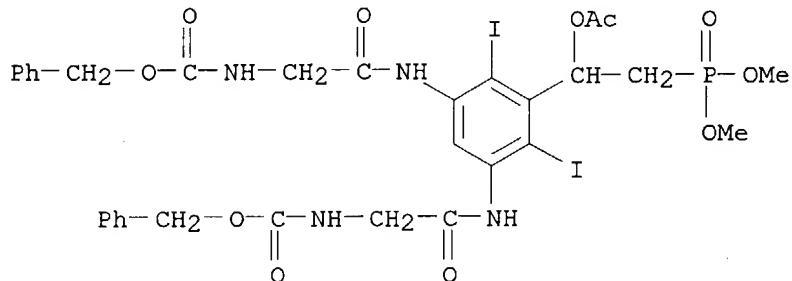
SO Journal of the American Chemical Society (2002), 124(12), 2903-2910  
 CODEN: JACSAT; ISSN: 0002-7863  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 136:340985  
 AB Four tripeptide chains, when attached to the same end of a hydrogen-bonded duplex peptides I-II (R = Me, iso-Bu; Ia has R = Me; Ib has R = iso-Bu; IIa has R = iso-Bu; IIb has R = Me) with the unsym., complementary sequences of ADAA/DADD, have been brought into proximity, leading to the formation of four hybrid duplexes, Ia·IIa, Ia·IIb, Ib·IIa, and Ib·IIb, each of which contains a two-stranded  $\beta$ -sheet segment. The extended conformations of the peptide chains were confirmed by 1D and 2D NMR. The peptide strands stay registered through hydrogen bonding and the  $\beta$ -sheets are stabilized by side chain interactions. Two-dimensional NMR data also indicate that the duplex template prevents further aggregation in the peptide segment. When the peptide chains are attached to the two different termini of the duplex template, NMR studies show the presence of a mixture with no clearly defined conformations. In the absence of the duplex template, the tripeptides are found to associate randomly. Finally, isothermal titration calorimetry studies revealed that the hybrid duplex Ia·IIa was more stable than either the duplex template or the peptides alone.  
 IT 416899-51-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
     (preparation of hydrogen-bonded duplex templates with peptide chains that form antiparallel  $\beta$ -sheet-like structures)  
 RN 416899-51-9 CAPLUS  
 CN Benzoic acid, 3-[[[2-(octyloxy)-5-[(1-oxohexyl)amino]benzoyl]amino]acetyl]amino]-5-[[[(phenylmethoxy)carbonyl]amino]acetyl]amino]-, octyl ester (9CI) (CA INDEX NAME)



RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:553906 CAPLUS  
 DN 133:335443  
 TI Synthesis of model compounds for potential contrast agents containing phosphonate and peptide moieties  
 AU Shalem, Hutt; Shatzmiller, Shimon; Feit, Ben-Ami  
 CS School of Chemistry, The Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, Ramat Aviv, Tel Aviv-Jaffa, 69978, Israel  
 SO Perkin 1 (2000), (16), 2831-2837  
 CODEN: PERKF9

PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 133:335443  
 AB The synthesis of di-Me 2-acetoxy-2-(2,4-diiodo-5-aminophenyl)ethylphosphonate (I) and di-Me 2-acetoxy-2-(2,4,6-triiodo-3,5-diaminophenyl)ethylphosphonate (II) is described. Several amido derivs. III [X = CO(CH<sub>2</sub>)<sub>n</sub>CO; n = 0, 2, 4, 6] and peptide derivs. IV (R = Boc-Ala-Ala-, Cbz-Gly-Gly-, Cbz-Leu-Gly-, Cbz-Gly-Ala-, Cbz-Ala-Val-) of these phosphonates were prepared. These products are composed of a combination of structural/functional moieties which enable them to be potential nonionic, selective x-ray contrast agents.  
 IT 303183-55-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of phosphonates and their peptide derivs. as potential nonionic, selective x-ray contrast agents)  
 RN 303183-55-3 CAPLUS  
 CN Carbamic acid, [[5-[1-(acetyloxy)-2-(dimethoxyphosphinyl)ethyl]-4,6-diiodo-1,3-phenylene]bis[imino(2-oxo-2,1-ethanediyl)]bis-, bis(phenylmethyl)ester (9CI) (CA INDEX NAME)



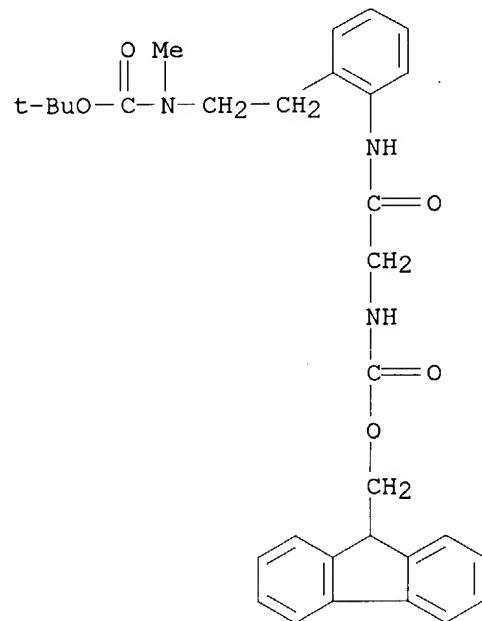
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:535988 CAPLUS  
 DN 133:267133  
 TI New highly potent dipeptidic growth hormone secretagogues with low molecular weight  
 AU Peschke, Bernd; Ankersen, Michael; Hansen, Thomas Kruse; Hansen, Birgit Sehested; Lau, Jesper; Nielsen, Karin Kramer; Raun, Kirsten  
 CS Health Care Chemistry, Novo Nordisk A/S, Malov, 2760, Den.  
 SO European Journal of Medicinal Chemistry (2000), 35(6), 599-618  
 CODEN: EJMCA5; ISSN: 0223-5234  
 PB Editions Scientifiques et Medicales Elsevier  
 DT Journal  
 LA English  
 AB Based on NN703, low mol. weight growth hormone secretagogues (GHSs) with a reduced number of hydrogen binding sites were designed by removal of the C-terminal amide group. The compds. were highly potent in combination with high efficacy in a rat pituitary cell assay, being characterized with EC<sub>50</sub> values down to 0.8 nM. Selected compds. were tested in vivo animal models. The oral bioavailability in dogs was 16-44%. Also, the ED<sub>50</sub> values of the compds. were determined both in dog and swine.  
 IT 202811-34-5P 202811-36-7P 202811-38-9P  
 297175-37-2P 297175-40-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and biol. activity of highly potent dipeptidic growth hormone secretagogues with low mol. wts.)

RN 202811-34-5 CAPLUS

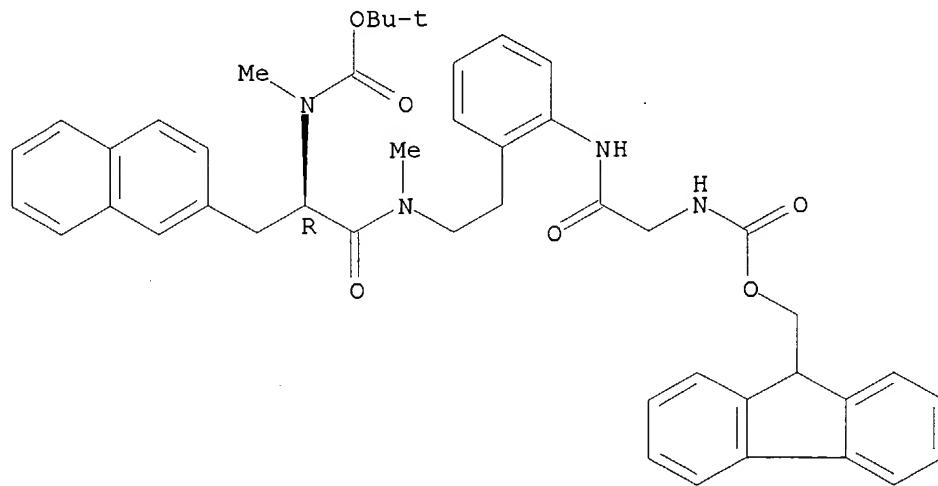
CN Carbamic acid, [2-[2-[[[[9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]ethyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 202811-36-7 CAPLUS

CN Carbamic acid, [(1R)-2-[[2-[2-[[[[9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]ethyl]methylamino]-1-(2-naphthalenylmethyl)-2-oxoethyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

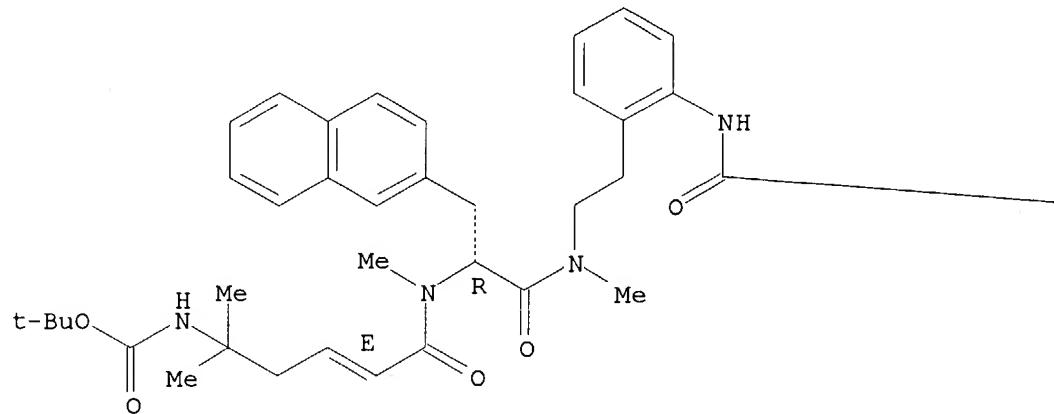
Absolute stereochemistry.



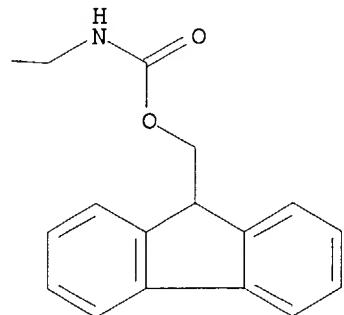
RN 202811-38-9 CAPLUS  
CN Carbamic acid, [(3E)-5-[(1R)-2-[[2-[2-[[[9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]ethyl]methylamino]-1-(2-naphthalenylmethyl)-2-oxoethyl]methylamino]-1,1-dimethyl-5-oxo-3-pentenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry as shown.

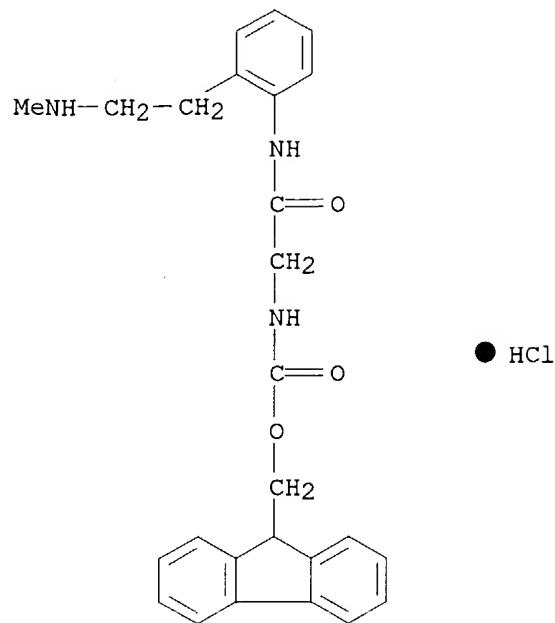
PAGE 1-A



PAGE 1-B



RN 297175-37-2 CAPLUS  
CN Carbamic acid, [2-[[2-[2-(methylamino)ethyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

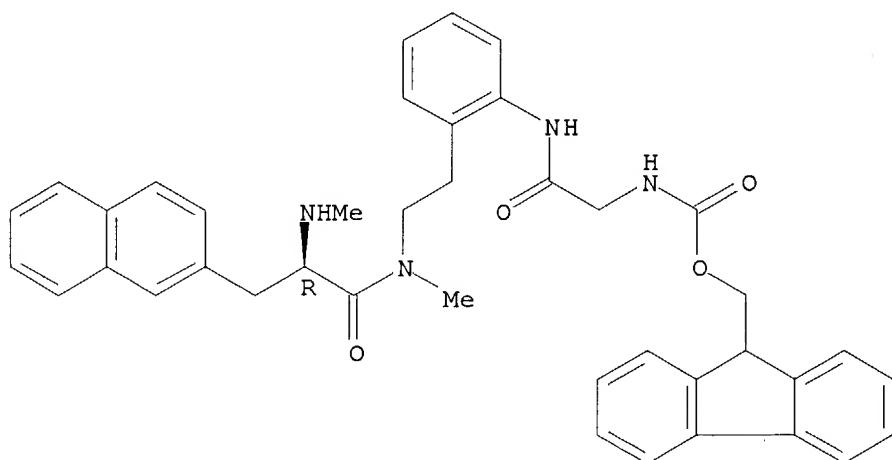


● HCl

RN 297175-40-7 CAPLUS

CN Carbamic acid, [2-[[2-[2-[(2R)-2-(methylamino)-3-(2-naphthalenyl)-1-oxopropyl]amino]ethyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:233909 CAPLUS  
DN 130:275757

TI Contrasting agent for infarct and necrosis imaging of heart and kidneys  
 IN Platzek, Johannes; Niedballa, Ulrich; Raduchel, Bernd; Ebert, Wolfgang;  
 Weinmann, Hanns-Joachim  
 PA Schering A.-G., Germany  
 SO PCT Int. Appl., 112 pp.  
 CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9916757	A1	19990408	WO 1998-EP5184	19980817
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19744003	A1	19990715	DE 1997-19744003	A 19970926
	DE 19744003	B4	20040708	DE 1997-19744003	19970926
	CA 2304458	AA	19990408	CA 1998-2304458	19980817
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817
	AU 9893428	A1	19990423	AU 1998-93428	19980817
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817
	EP 1017684	A1	20000712	EP 1998-946346	19980817
	EP 1017684	B1	20021120		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817
	JP 2001518471	T2	20011016	JP 2000-513843	19980817
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817
	AT 228116	E	20021215	AT 1998-946346	19980817
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817
	PT 1017684	T	20030331	PT 1998-946346	19980817
				DE 1997-19744003	A 19970926
	ES 2188011	T3	20030616	ES 1998-946346	19980817
				DE 1997-19744003	A 19970926
	US 6083479	A	20000704	US 1998-157959	19980922
				DE 1997-19744003	A 19970926
	NO 2000001556	A	20000523	NO 2000-1556	20000324
				DE 1997-19744003	A 19970926
				WO 1998-EP5184	W 19980817

OS MARPAT 130:275757

AB 1,4,7,10-Tetraazacyclododecane derivs. and their rare earth complexes as  
 novel compds. suitable as contrasting agents, in particular for infarct  
 and necrosis imaging, are disclosed, as well as processes for preparing the  
 same and pharmaceuticals containing these compds. Thus, sym-  
 diethylenetriaminepentaacetic acid tetra-tert-Bu ester in presence of  
 N-hydroxysuccinimide in DMF was treated with dicyclohexylcardodiimide and  
 subsequently with glycine in presence of Et<sub>3</sub>N to give 3,9-bis(N-tert-  
 butoxycarbonylmethyl)-6-[N-(3-aza-2-oxo-4-carboxy)butyl]-3,6,9-  
 triazaundecane-1,11-dicarboxylic acid di-tert-Bu ester (I). I was reacted  
 with 1,4,7,10-tetraazacyclododecane in DMF in presence of

2-ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline to give 1,4,7-tris{3,9-bis(N-tert-butoxycarbonylmethyl)-6-[N-(3-aza-2,5-dioxo)pentan-1,5-diyl]-3,6,9-triazaundecanedicarboxylic di-tert-Bu ester}-1,4,7,10-tetraazacyclododecane which was reacted with hexadecanoic acid in DMF to give 1,4,7-tris{3,9-bis(N-tert-butoxycarbonylmethyl)-6-[N-(3-aza-2,5-dioxo)pentan-1,5-diyl]-3,6,9-triazaundecanedicarboxylic di-tert-Bu ester}-10-[N-n-hexadecanoyl]-1,4,7,10-tetraazacyclododecane (II). II in CF<sub>3</sub>CO<sub>2</sub>H reacted with Gd<sub>2</sub>O<sub>3</sub> in presence of NaOH to give after deprotection the Na salt of the Gd complex of the deprotected II.

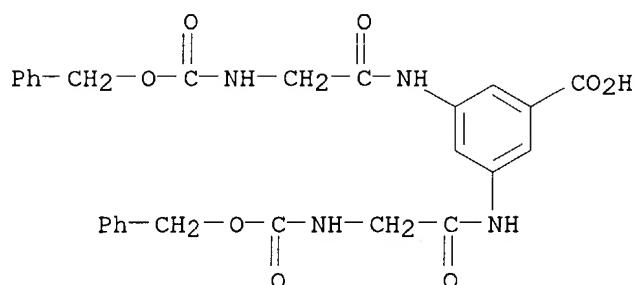
IT 192636-26-3P 192636-28-5P 222033-44-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(reactant for preparation of rare earth complexes with alkylcarbonyl derivs. of tetraazacyclododecane as MRI contrast agents for myocardial infarction and renal ischemia)

RN 192636-26-3 CAPLUS

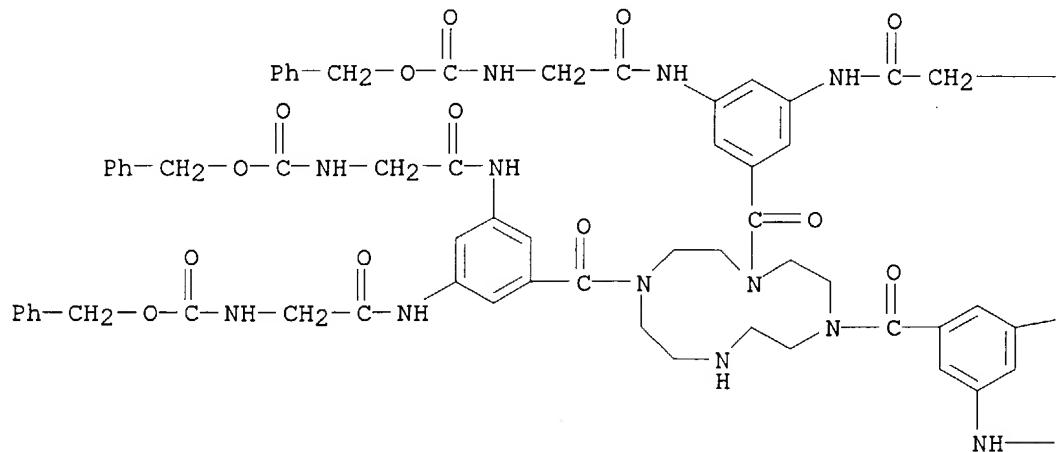
CN Benzoic acid, 3,5-bis[[[[(phenylmethoxy) carbonyl]amino]acetyl]amino]- (9CI) (CA INDEX NAME)



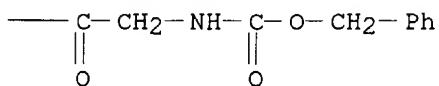
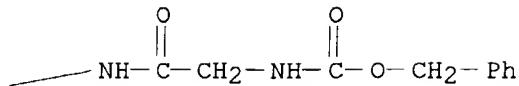
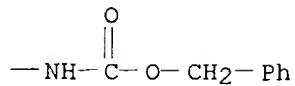
RN 192636-28-5 CAPLUS

CN Carbamic acid, [1,4,7,10-tetraazacyclododecane-1,4,7-triyltris[carbonyl-5,1,3-benzenetriylbis[imino(2-oxo-2,1-ethanediyl)]]hexakis-, hexakis(phenylmethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



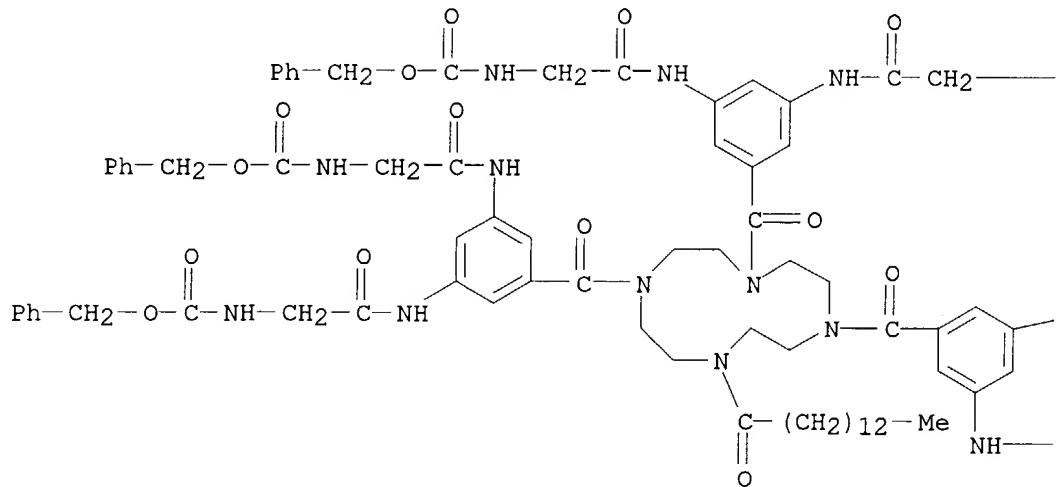
PAGE 1-B

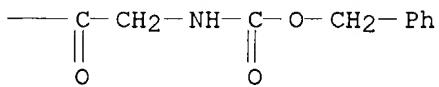
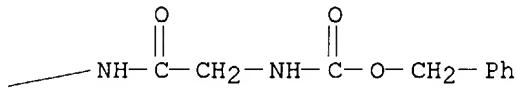
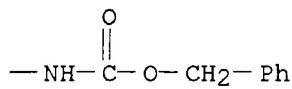


RN 222033-44-5 CAPLUS

CN Carbamic acid, [[10-(1-oxotetradecyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl]tris[carbonyl-5,1,3-benzenetriylbis[imino(2-oxo-2,1-ethanediyl)]]]hexakis(phenylmethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A





RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:268469 CAPLUS  
 DN 129:16384  
 TI Preparation of novel pyrrolidine derivatives as remedies for infectious diseases  
 IN Ohta, Toshiharu; Nakayama, Kiyoshi; Ohtsuka, Masami; Inagaki, Hiroaki; Nishi, Toshiyuki; Ishida, Yohhei  
 PA Daiichi Pharmaceutical Co., Ltd., Japan  
 SO PCT Int. Appl., 164 pp.  
 CODEN: PIXXD2

DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9817625	A1	19980430	WO 1997-JP3812	19971022
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, LC, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			JP 1996-279172	19961022
				JP 1996-287203	19961030
AU	9747221	A1	19980515	AU 1997-47221	19971022
				JP 1996-279172	19961022
				JP 1996-287203	19961030
				WO 1997-JP3812	19971022

OS MARPAT 129:16384  
 AB Novel compds. (I; R1-R3 = substituents in the cyclic structure, such as a pyrrolidine or a benzene ring; A = hydrocarbon or heterocyclo ring) are prepared I act on pathogenic microorganisms which have acquired tolerance to the existing antimicrobials and elevate the sensitivity to the antimicrobials, thus making them nontolerant. When used together with the

antimicrobials, I can efficaciously establish the prevention and treatment of microbial infectious diseases. Thus, compound (II; X = tert-BuCO, Y = N3) (preparation given) was hydrogenated over Pd/C to give 95% the title compound

II.2HCl (X = H, Y = NH<sub>2</sub>), which was tested and showed inhibitory activity against PAM1001.

IT 207305-10-0P 207305-14-4P 207305-15-5P

207305-17-7P 207305-18-8P 207305-26-8P

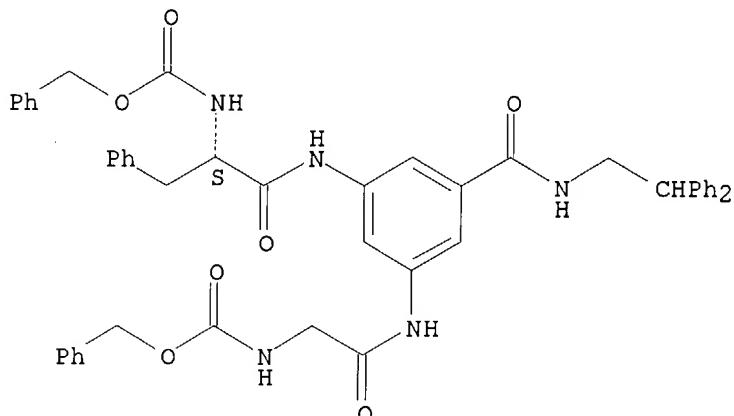
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of novel pyrrolidine derivs. as remedies for infectious diseases)

RN 207305-10-0 CAPLUS

CN Carbamic acid, [2-[[3-[(2,2-diphenylethyl)amino]carbonyl]-5-[(2S)-1-oxo-3-phenyl-2-[(phenylmethoxy)carbonyl]amino]propyl]amino]phenyl]amino]-2-oxoethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

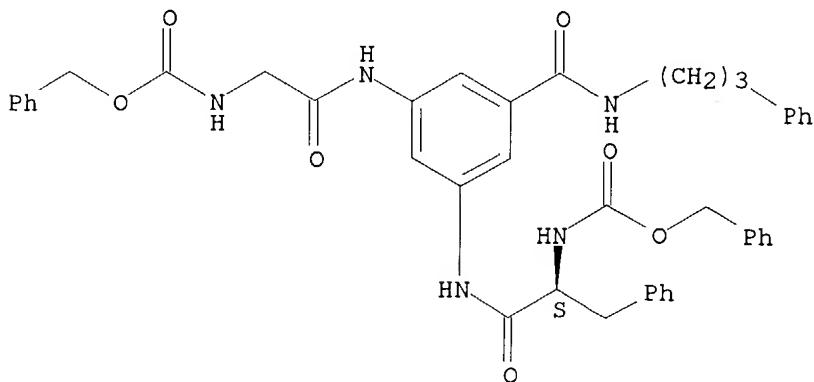
Absolute stereochemistry.



RN 207305-14-4 CAPLUS

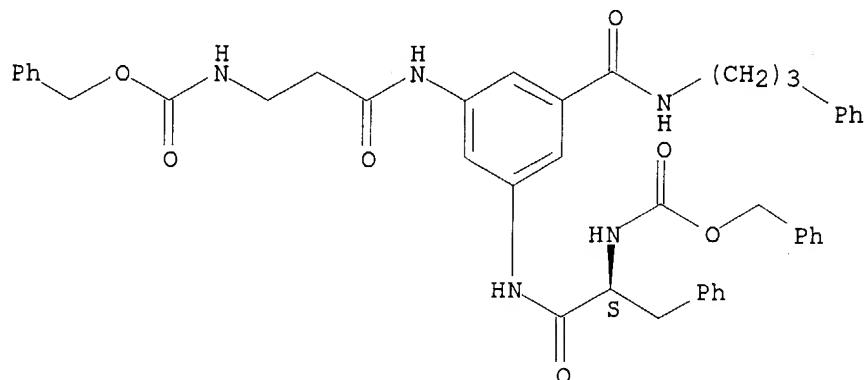
CN Carbamic acid, [2-oxo-2-[[5-[(2S)-1-oxo-3-phenyl-2-[(phenylmethoxy)carbonyl]amino]propyl]amino]-3-[(3-phenylpropyl)amino]carbonyl]phenyl]amino]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



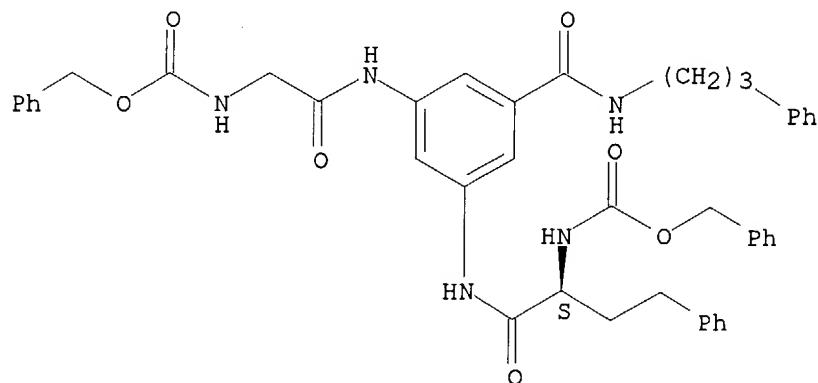
RN 207305-15-5 CAPLUS  
CN Carbamic acid, [(1S)-2-oxo-2-[[3-[[1-oxo-3-[(phenylmethoxy)carbonyl]amino]propyl]amino]-5-[[[3-phenylpropyl]amino]carbonyl]phenyl]amino]-1-(phenylmethyl)ethyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



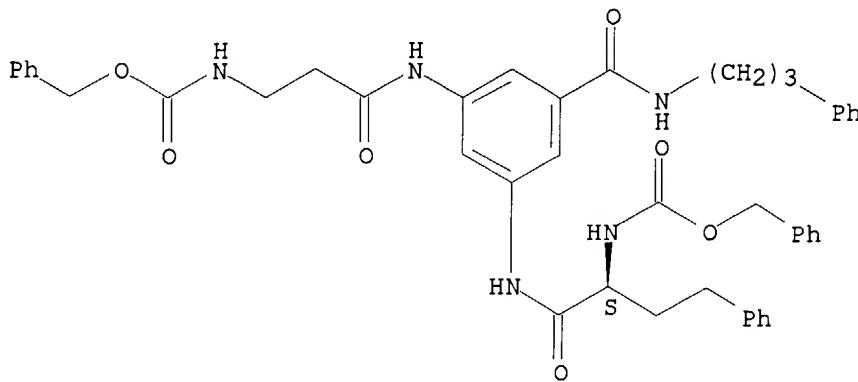
RN 207305-17-7 CAPLUS  
CN Carbamic acid, [2-oxo-2-[[5-[[2S]-1-oxo-4-phenyl-2-[(phenylmethoxy)carbonyl]amino]butyl]amino]-3-[[[3-phenylpropyl]amino]carbonyl]phenyl]amino]ethyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 207305-18-8 CAPLUS  
CN Carbamic acid, [3-oxo-3-[[3-[[2S]-1-oxo-4-phenyl-2-[(phenylmethoxy)carbonyl]amino]butyl]amino]-5-[[[3-phenylpropyl]amino]carbonyl]phenyl]amino]propyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

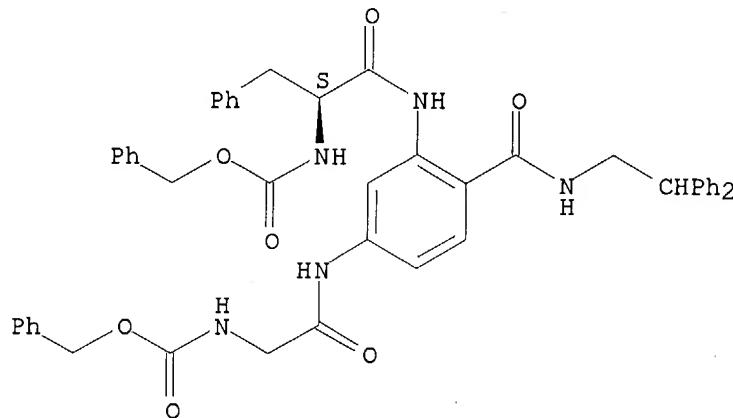
Absolute stereochemistry.



RN 207305-26-8 CAPLUS

CN Carbamic acid, [2-[4-[(2,2-diphenylethyl)amino]carbonyl]-3-[(2S)-1-oxo-3-phenyl-2-[(phenylmethoxy)carbonyl]amino]propyl]amino]phenyl]amino]-2-oxoethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:87706 CAPLUS  
 DN 128:154388  
 TI Preparation of peptide analogs with growth hormone releasing properties  
 IN Peschke, Bernd; Ankersen, Michael; Hansen, Thomas Kruse; Thogersen, Henning  
 PA Novo Nordisk A/S, Den.; Peschke, Bernd; Ankersen, Michael; Hansen, Thomas Kruse; Thogersen, Henning  
 SO PCT Int. Appl., 178 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9803473	A1	19980129	WO 1997-DK314	19970717
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				

DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,  
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,  
 UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,  
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
 GN, ML, MR, NE, SN, TD, TG

AU 9734346	A1	19980210	DK 1996-803	A 19960722
			AU 1997-34346	19970717
			DK 1996-803	A 19960722
			WO 1997-DK314	W 19970717

EP 923539	A1	19990623	EP 1997-930368	19970717
EP 923539	B1	20020605		

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IE, FI

			DK 1996-803	A 19960722
			WO 1997-DK314	W 19970717

US 5922770	A	19990713	US 1997-896550	19970717
			DK 1996-803	A 19960722

JP 2000515517	T2	20001121	JP 1998-506465	19970717
			DK 1996-803	A 19960722
			WO 1997-DK314	W 19970717

EP 1184370	A2	20020306	EP 2001-123155	19970717
EP 1184370	A3	20020327		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

			DK 1996-803	A 19960722
			EP 1997-930368	A3 19970717

AT 218537	E	20020615	AT 1997-930368	19970717
			DK 1996-803	A 19960722
			WO 1997-DK314	W 19970717

ZA 9706371	A	19980122	ZA 1997-6371	19970718
			DK 1996-803	A 19960722

US 6127354	A	20001003	US 1999-270862	19990317
			DK 1996-803	A 19960722

US 6274584	B1	20010814	US 1997-896550	A3 19970717
			US 2000-619227	20000719
			DK 1996-803	A 19960722
			US 1997-896550	A3 19970717
			US 1999-270862	A3 19990317

OS MARPAT 128:154388

AB The present invention relates to novel peptide analogs of general formula I [A = X-A1; X = alkylene chain optionally substituted and/or optionally containing O, S, or C:C double bond; A1 = N-containing heterocycle, (aminoalkyl)phenyl, (aminoalkyl)thienyl; G = H, halo, C1-6 alkyl, aryl, C1-6 alkoxy, CONR39R40, (CH<sub>2</sub>)pNR39SO<sub>2</sub>R41, (CH<sub>2</sub>)pNR39COR40, (CH<sub>2</sub>)pOR41, (CH<sub>2</sub>)pO2CR40, CHR39R40, CONR39NR40R42, (CH<sub>2</sub>)pNR39CSNR40R42, (CH<sub>2</sub>)pNR39CONR40R42; R39, R40 = independently H, (un)substituted C1-6 alkyl, etc.; R41 = aryl-substituted C1-6 alkyl; R42 = C1-6 alkyl; L1, L2 = independently CR57, N; R57 = H, C1-6 alkyl (un)substituted with OH, halo, C1-6 alkoxy, aryl; D, E = independently H, alkoxy, aryl, heteroaryl; R1 = H, C1-6 alkyl; R2 = H, acyl, C1-6 alkyl; R1R2 may form alkylene bridge; R3, R4 = independently H, (un)substituted C1-6 alkyl; R3R4 = O, S; n, m, p = independently 0-3] pharmaceutical compns. containing them, a method of stimulating the release of growth hormone from the pituitary, a method for increasing the rate and extent of growth of animals to increase their milk and wool production, or for the treatment of ailments, and to use of the compds. for the preparation of medicaments. Thus, peptidomimetic II was prepared

by standard reactions from (R)-2-[N-tert-butoxycarbonyl-N-methylamino]-3-(2-naphthyl)propionic acid, N-methyl-N-phenethylamine, and (E)-5-(tert-butoxycarbonylamino)-5-methylhex-2-enoic acid. II and related peptide analogs were tested for growth hormone release in rat pituitary primary cultures in doses ranging from 10 pM to 100 mM. The prepared compds. were also tested for metabolic stability.

IT 202811-34-5P 202811-35-6P 202811-36-7P

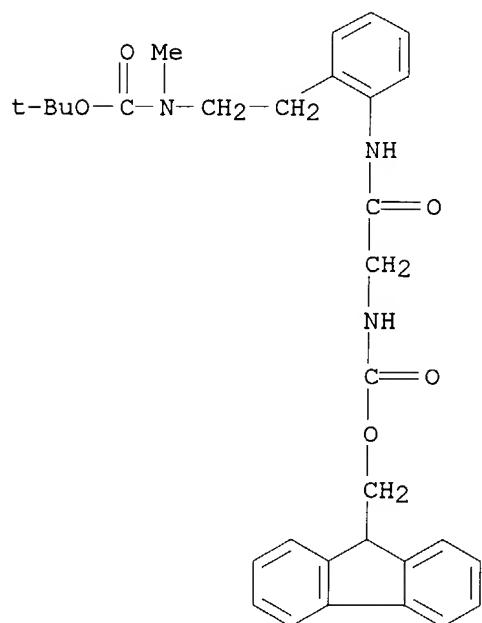
202811-37-8P 202811-38-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of peptide analogs with growth hormone releasing properties)

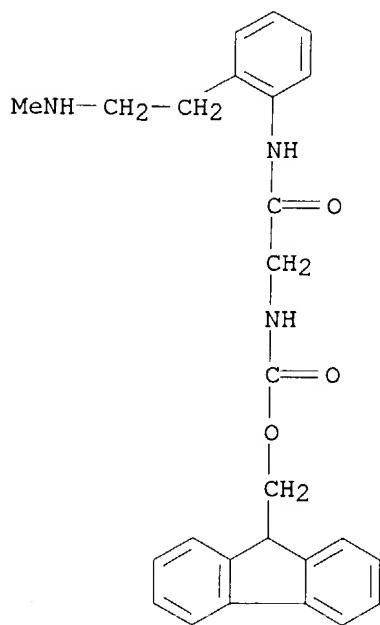
RN 202811-34-5 CAPLUS

CN Carbamic acid, [2-[2-[[[[9H-fluoren-9-ylmethoxy]carbonyl]amino]acetyl]amino]phenyl]ethylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 202811-35-6 CAPLUS

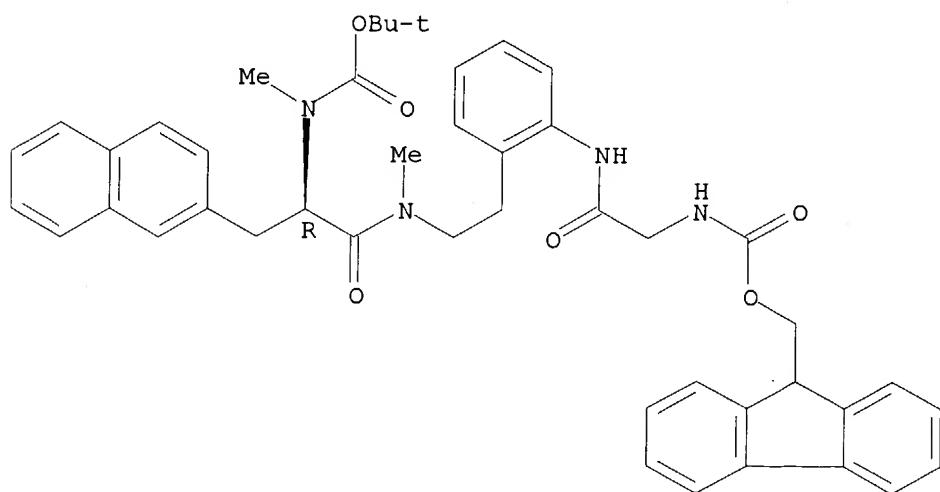
CN Carbamic acid, [2-[2-(methylamino)ethyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)



RN 202811-36-7 CAPLUS

CN Carbamic acid, [(1R)-2-[[2-[2-[[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]ethyl]methylamino]-1-(2-naphthalenylmethyl)-2-oxoethyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

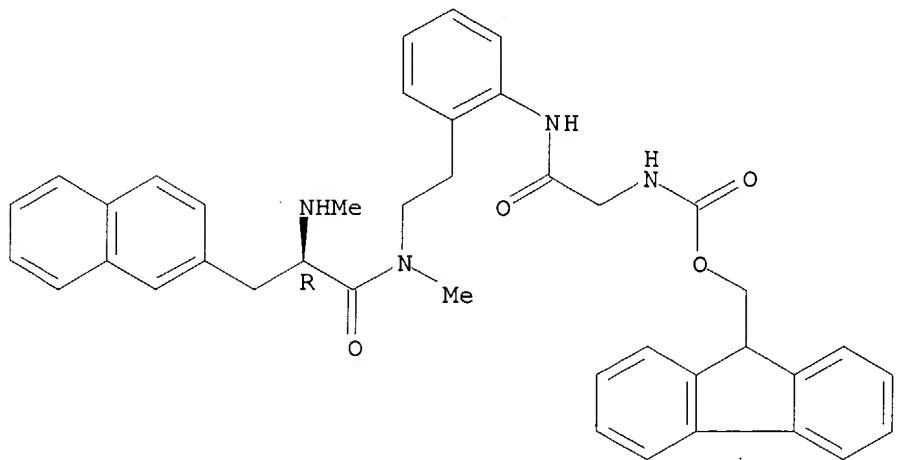
Absolute stereochemistry.



RN 202811-37-8 CAPLUS

CN Carbamic acid, [2-[[2-[methyl[2-(methylamino)-3-(2-naphthalenyl)-1-oxopropyl]amino]ethyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

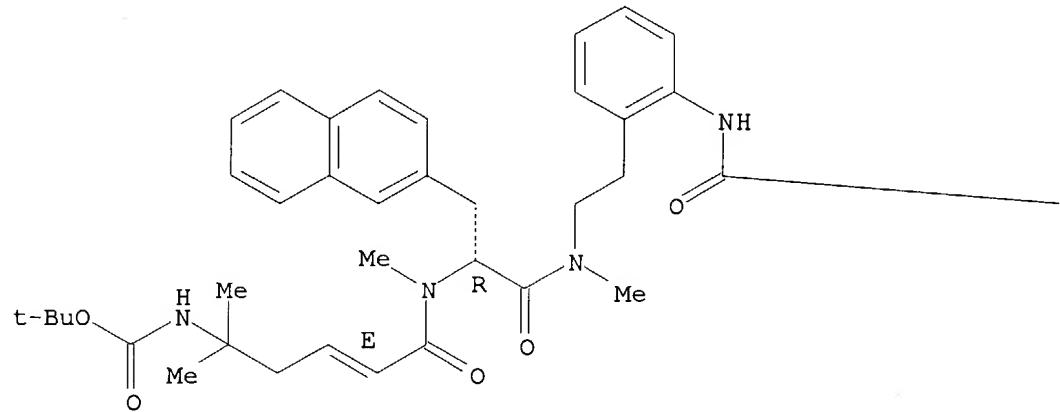


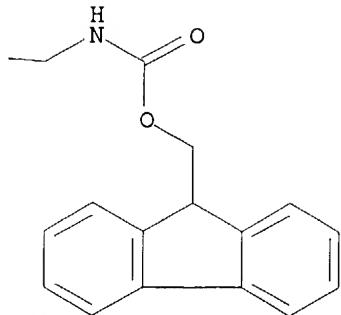
RN 202811-38-9 CAPLUS

CN Carbamic acid, [(3E)-5-[[[(1R)-2-[[2-[2-[[[[9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]phenyl]ethyl]methylamino]-1-(2-naphthalenylmethyl)-2-oxoethyl)methylamino]-1,1-dimethyl-5-oxo-3-pentenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry as shown.

PAGE 1-A



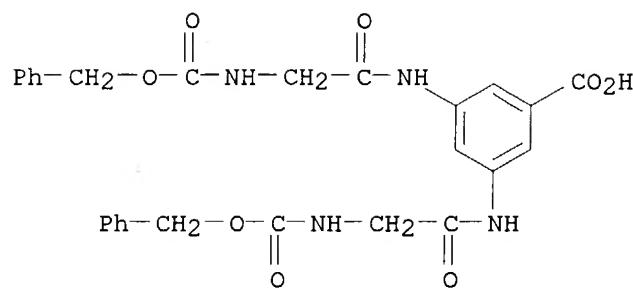


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:500179 CAPLUS  
 DN 127:122137  
 TI Nitrogen-containing cascade polymer transition metal complexes and their manufacture and use in pharmaceuticals and diagnostic agents  
 IN Schmitt-Willich, Heribert; Platzek, Johannes; Raduechel, Bernd; Weinmann, Hanns joachim; Ebert, Wolfgang; Misselwitz, Bernd; Muehler, Andreas; Frenzel, Thomas  
 PA Schering A.-G., Germany  
 SO Ger. Offen., 51 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

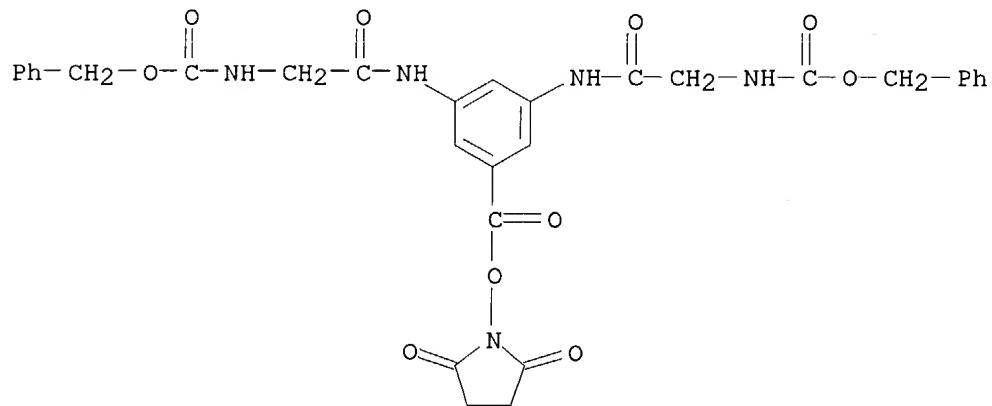
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19549286 CA 2241187  WO 9723245 W: AU, BG, BY, CA, CZ, IL, JP, KR, MX, NO, NZ, PL, RU, SK, UA, US, VN RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE	A1 AA  A1	19970626 19970703  19970703	DE 1995-19549286 CA 1996-2241187 DE 1995-19549286 WO 1996-EP5315 DE 1995-19549286 DE 1995-19549286 AU 1997-10328 DE 1995-19549286 WO 1996-EP5315 EP 1996-941055	19951222 19961129 A 19951222 19961129 A 19951222 A 19951222 19961129 A 19951222 W 19961129 19961129
	AU 9710328 AU 726034	A1 B2	19970717 20001026	DE 1995-19549286 WO 1996-EP5315	A 19951222 W 19961129
EP	868202 868202	A1 B1	19981007 20020828	DE 1995-19549286 WO 1996-EP5315 EP 1996-941055	A 19951222 W 19961129 19961129
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			DE 1995-19549286 WO 1996-EP5315 JP 1997-523251 DE 1995-19549286 WO 1996-EP5315	A 19951222 W 19961129 19961129 A 19951222 W 19961129
JP	2000510880	T2	20000822	DE 1995-19549286 JP 1997-523251 DE 1995-19549286 WO 1996-EP5315	A 19951222 19961129 A 19951222 W 19961129

AT 222776	E	20020915	AT 1996-941055 DE 1995-19549286 WO 1996-EP5315	19961129 A 19951222 W 19961129
RU 2197495	C2	20030127	RU 1998-113782 DE 1995-19549286 WO 1996-EP5315	19961129 A 19951222 W 19961129
PT 868202	T	20030131	PT 1996-941055 DE 1995-19549286	19961129 A 19951222
ES 2181924	T3	20030301	ES 1996-941055 DE 1995-19549286	19961129 A 19951222
SK 283334	B6	20030603	SK 1998-854 DE 1995-19549286 WO 1996-EP5315	19961129 A 19951222 W 19961129
ZA 9610822	A	19970627	ZA 1996-10822 DE 1995-19549286	19961220 A 19951222
US 5874061	A	19990223	US 1996-777666 DE 1995-19549286	19961220 A 19951222
TW 520377	B	20030211	TW 1996-85115801 DE 1995-19549286	19961220 A 19951222
US 6057419	A	20000502	US 1998-77773 DE 1995-19549286 WO 1996-EP5315	19980604 A 19951222 W 19961129
BG 63105	B1	20010430	BG 1998-102565 DE 1995-19549286 WO 1996-EP5315	19980619 A 19951222 W 19961129
NO 9802903	A	19980622	NO 1998-2903 DE 1995-19549286 WO 1996-EP5315	19980622 A 19951222 W 19961129
AU 744292	B2	20020221	AU 2000-55021	20000830
AU 2000055021	A5	20001109	DE 1995-19549286	A 19951222
AB	Complexes containing (a) A[X[Y[Z(WKw)z]y]x]a ligands (A = N-containing cascade polymer core with a branching degree, X, Y = direct bond or repeating unit with branching degree x, y, resp., Z, W = repeating unit with branching degree z, w, resp., K = complex formers, a = 2-12, x, y, z, w = 1-4, ≥2 repeating units being different, 16 ≤ axyzw ≤ 64, and ≥1 of X, Y, Z, W being a 1,4,7,10-tetraazacyclododecane or 1,4,8,11-tetraazacyclotetradecane repeating unit), (b) ≥16 ions of metals with atom. nos. 20-29, 39, 42, 44, or 57-83, (c) optionally, an cation of (in)organic base, amino acid, or amino amide, and (d) optionally, acylated terminal amino group are manufactured for use as pharmaceuticals and contrast agents in NMR tomog. and radiog. A typical complex was manufactured by reaction of HBr with benzyloxycarbonyl-blocked 36mer cascade polyamine prepared from N,N,N',N'',N'''-hexakis(2-aminoethyl)trimesic acid core and 6 1-[5-(4-nitrophenoxy)-3-oxaglutaryl]-4,7,10-tris(N,N'-dibenzylloxycarbonyllsyl)-1,4,7,10-tetraazacyclododecane, reaction of the resulting 36-mer amine hydrobromide with 1-(3-aza-4-carboxy-2-oxobutyl)-4,7,10-tris(tert-butoxycarbonylmethyl)-1,4,7,10-tetraazacyclododecane, and complexation of the Na salt of the resulting ligand with Gd2O3.			
IT	<b>192636-26-3P 192636-27-4P 192636-28-5P</b> <b>192636-29-6P</b> RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (cascade polymer precursor; nitrogen-containing cascade polymer transition metal complexes and their manufacture and use in pharmaceuticals and diagnostic agents)			
RN	192636-26-3 CAPLUS			
CN	Benzoic acid, 3,5-bis[[[[(phenylmethoxy) carbonyl]amino]acetyl]amino]- (9CI) (CA INDEX NAME)			



RN 192636-27-4 CAPLUS

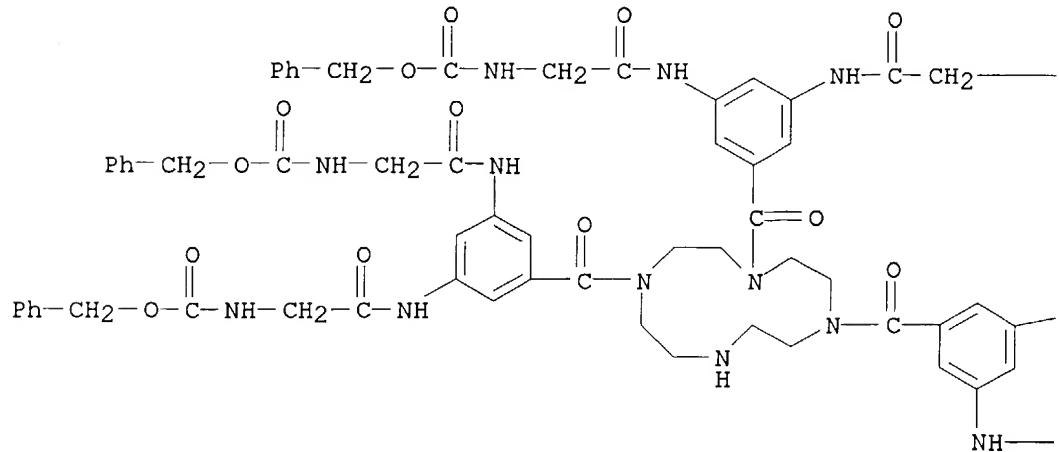
CN Carbamic acid, [[5-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]-1,3-phenylene]bis[imino(2-oxo-2,1-ethanediyl)]]]bis-, bis(phenylmethyl) ester (9CI) (CA INDEX NAME)



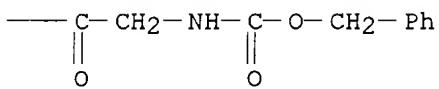
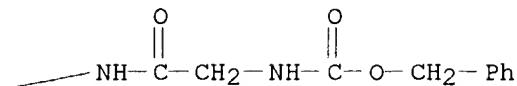
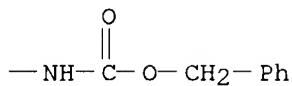
RN 192636-28-5 CAPLUS

CN Carbamic acid, [1,4,7,10-tetraazacyclododecane-1,4,7-triyltris[carbonyl-5,1,3-benzenetriylbis[imino(2-oxo-2,1-ethanediyl)]]]hexakis-, hexakis(phenylmethyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



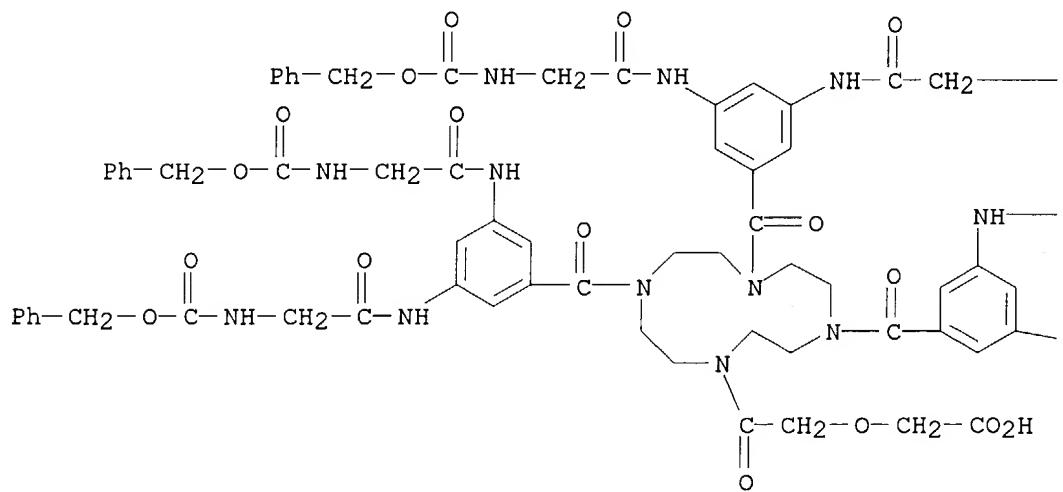
PAGE 1-B

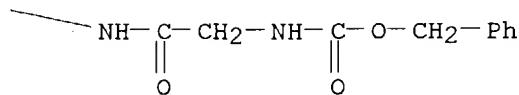
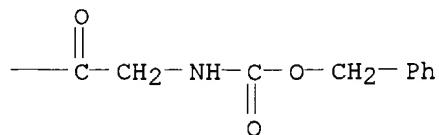
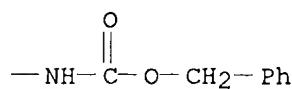


RN 192636-29-6 CAPLUS

CN Acetic acid, [2-oxo-2-[4,7,10-tris[3,5-bis[[[[(phenylmethoxy)carbonyl]amin  
o]acetyl]amino]benzoyl]-1,4,7,10-tetraazacyclododec-1-yl]ethoxy]- (9CI)  
(CA INDEX NAME)

PAGE 1-A





IT 192636-30-9P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (complexing cascade polymer precursor; nitrogen-containing cascade polymer transition metal complexes and their manufacture and use in pharmaceuticals and diagnostic agents)

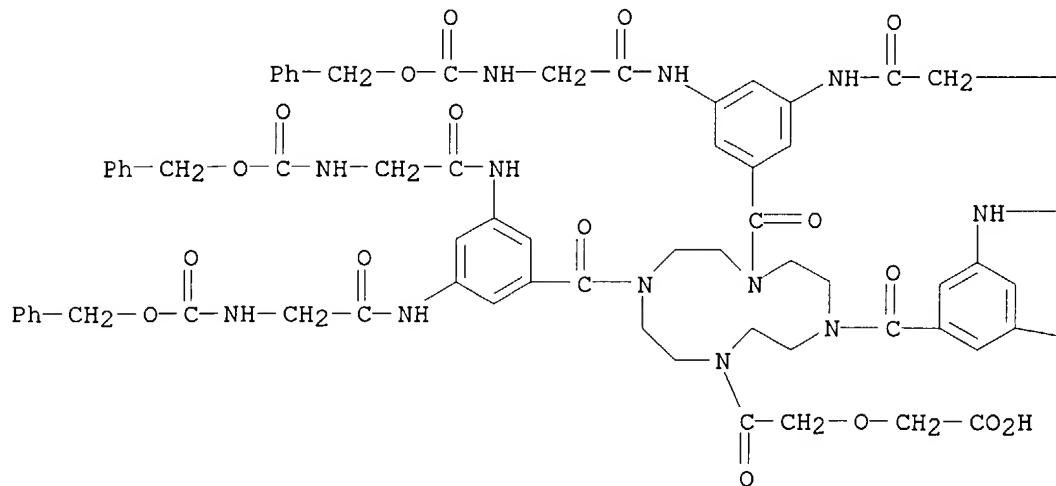
RN 192636-30-9 CAPLUS

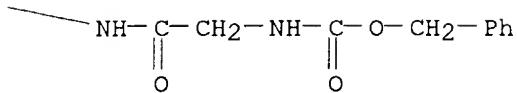
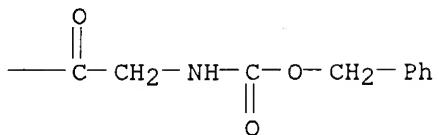
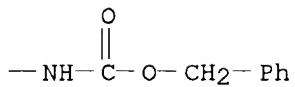
CN Acetic acid, [2-oxo-2-[4,7,10-tris[3,5-bis[[[(phenylmethoxy)carbonyl]amin o]acetyl]amino]benzoyl]-1,4,7,10-tetraazacyclododec-1-yl]ethoxy]-, polymer with N,N,N',N',N'',N'''-hexakis(2-aminoethyl)-1,3,5-benzenetricarboxamide hydrobromide (9CI) (CA INDEX NAME)

CM 1

CRN 192636-29-6

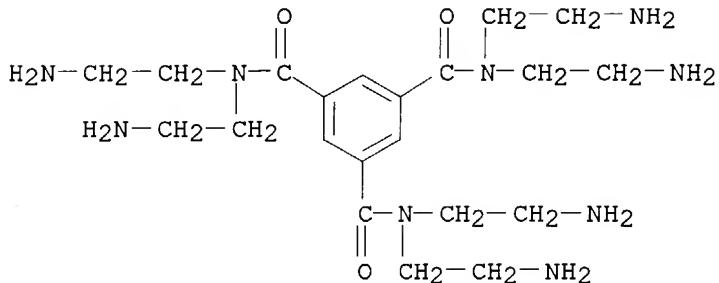
CMF C93 H96 N16 O25





CM 2

CRN 192635-87-3  
CMF C21 H39 N9 O3 . x Br H



•<sub>x</sub> HBr

IT 192636-31-0DP, gadolinium complexes

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(nitrogen-containing cascade polymer transition metal complexes and their manufacture and use in pharmaceuticals and diagnostic agents)

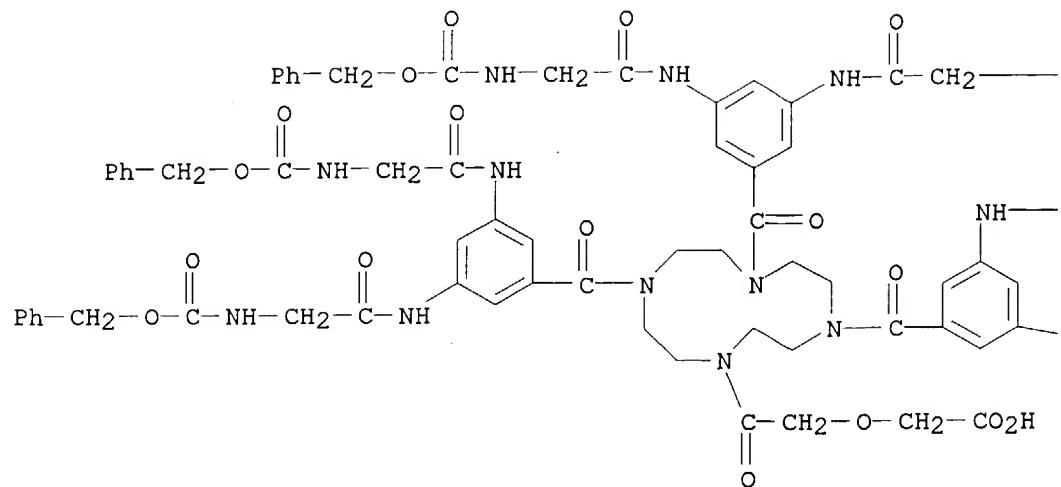
RN 192636-31-0 CAPLUS

CN Sodium(1+), [tris(1,1-dimethylethyl) 10-[1-methyl-2-[(2-(4-nitrophenoxy)-2-oxoethyl]amino]-2-oxoethyl]-1,4,7,10-tetraazacyclododecane-1,4,7-triacetate-κN1,κN4,κN7,κN10]-, bromide, polymer with N,N,N',N',N'',N'''-hexakis(2-aminoethyl)-1,3,5-benzenetricarboxamide hydrobromide and [2-oxo-2-[4,7,10-tris[3,5-bis[[[[(phenylmethoxy)carbonyl]amino]acetyl]amino]benzoyl]-1,4,7,10-tetraazacyclododec-1-yl]ethoxy]acetic acid (9CI) (CA INDEX NAME)

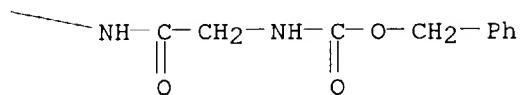
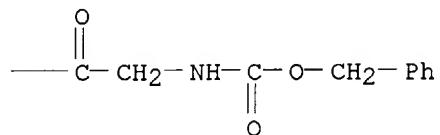
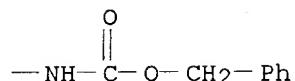
CM 1

CRN 192636-29-6  
CMF C93 H96 N16 025

PAGE 1-A

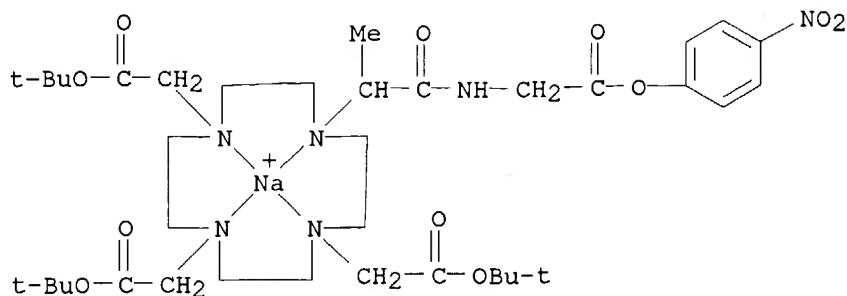


PAGE 1-B



CM 2

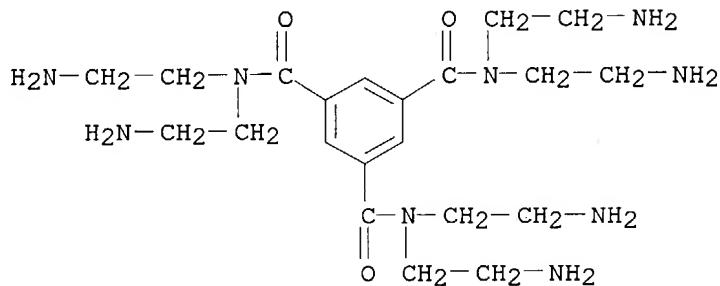
CRN 192636-00-3  
CMF C37 H60 N6 Na O11 . Br  
CCI CCS



● Br<sup>-</sup>

CM 3

CRN 192635-87-3  
CMF C21 H39 N9 O3 . x Br H



●x HBr

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1995:32622 CAPLUS  
 DN 122:31918  
 TI Structure-activity relationships of double-strand RGD peptides as GPIIb/IIIa receptor antagonists  
 AU Ojima, Iwao; Dong, Qing; Eguchi, Masakatsu; Oh, Young-im; Amann, Clare M.; Coller, Barry S.  
 CS School. Medicine, State University New York, Stony Brook, NY, 11794, USA  
 SO Bioorganic & Medicinal Chemistry Letters (1994), 4(14), 1749-54  
 CODEN: BMCLE8; ISSN: 0960-894X  
 DT Journal  
 LA English  
 AB A series of new double-strand RGD peptides M(CO-Arg-Gly-Asp-Phe-OH)2 [M = (CH<sub>2</sub>)<sub>n</sub>, p-C<sub>6</sub>H<sub>4</sub>, n = 2-4] and (R-Arg-Gly-Asp-Phe-NH)2XZ [R = H, Me(CH<sub>2</sub>)<sub>4</sub>CO, Bz, 4-[HN:C(NH<sub>2</sub>)NH]C<sub>6</sub>H<sub>4</sub>CO-Ser; X = Lys, Orn, cis,cis-3,5-diaminocyclohexanecarbonyl, 3,5-(Gly-NH)2C<sub>6</sub>H<sub>3</sub>CO; Z = NH<sub>2</sub>, Gly-Arg-Gly-Asp-Phe-NH<sub>2</sub>, Arg-Gly-Asp-Phe-OH] were prepared and their inhibitory activities evaluated for platelet aggregation. Substantial

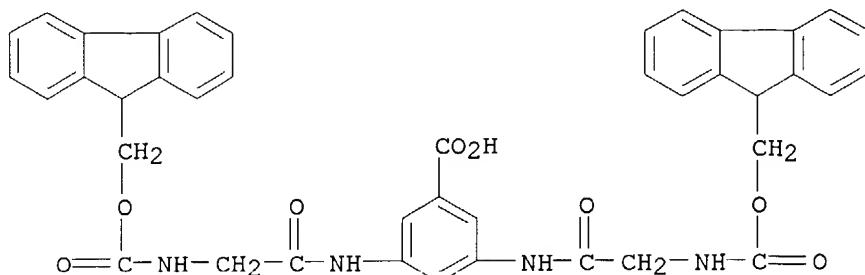
improvement in activity is observed with these novel RGD peptides in comparison with single-strand RGD peptides. The structure-activity relationships of these double-strand RGD peptides are discussed.

IT 159581-70-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation, deblocking, and peptide coupling of, with protected arginylglycylaspartic acid peptides)

RN 159581-70-1 CAPLUS

CN Benzoic acid, 3,5-bis[[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]acetyl]amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1992:58986 CAPLUS

DN 116:58986

TI Preparation of anilide derivatives for determination of enzymes

IN Hamada, Yoshio; Tejima, Shinichi; Hanyu, Tsuneo

PA Toyobo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03157353	A2	19910705	JP 1989-296592	19891115
	JP 07051550	B4	19950605	JP 1989-296592	19891115

OS MARPAT 116:58986

AB Anilides derivs. [I; R1 = amino acid or peptide residue containing 2-4 amino acid; R2 = C1-3 alkyl; R3 = C1-5 alkyl; X = organic or inorg. acid residue; X1-X4 = H, alkyl, aryl, halo, NO2, CO2H; n = 1-6], useful in determining leucine

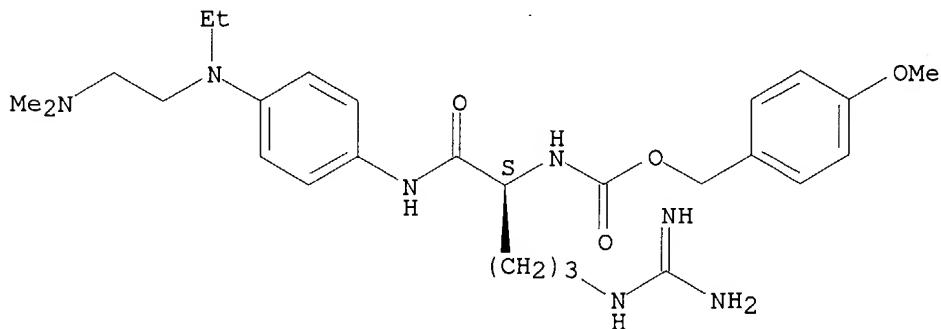
aminopeptidase and  $\gamma$ -glutamyl transpeptidase ( $\delta$ -GTP) for diagnosis purposes, are prepared Refluxing a mixture of p-FC6H4NO2, Me2NCH2CH2NHEt, and K2CO3 in DMF gave 86.8% p-O2NC6H4N(CH2CH2NMe2)Et, which was reduced with SnCl4 in HCl and EtOH to give 95% p-H2NC6H4N(CH2CH2NMe2)Et (II). Reaction of II with Z-Glu-OBzl, Et3N, and ClCO2CH2CHMe2 in THF gave 62.3% anilide III, which was quaternized with MeI to give 98% III.MeI. The quaternary ammonium salt was treated with CF3CO2H, CF3SO3SiMe3, m-cresol, and PhSMe to give a synthetic substrate for determination of  $\gamma$ -GTP.

IT 137214-52-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and quaternization of)

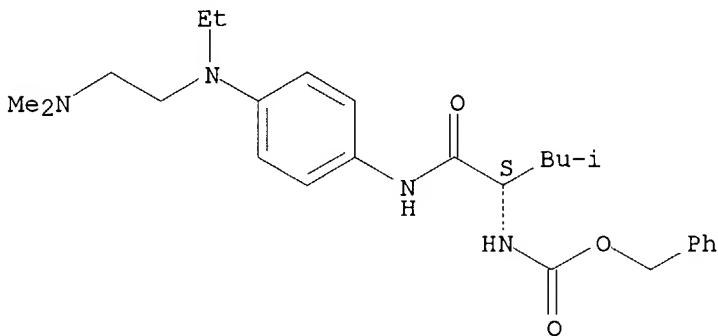
RN 137214-52-9 CAPLUS  
 CN Carbamic acid, [4-[(aminoiminomethyl)amino]-1-[[[4-[[2-(dimethylamino)ethyl]ethylamino]phenyl]amino]carbonyl]butyl]-, (4-methoxyphenyl)methyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



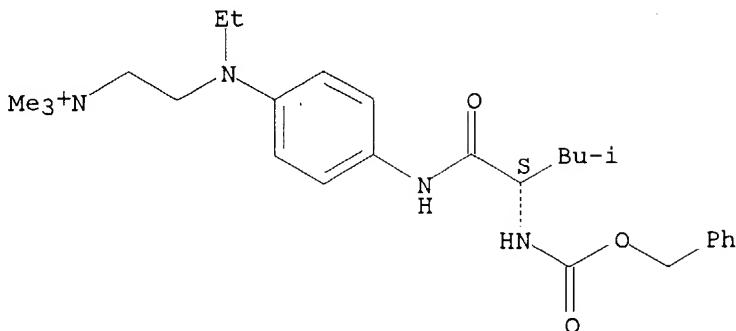
IT 137214-57-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
     (preparation and quaternization of, with Me iodide)  
 RN 137214-57-4 CAPLUS  
 CN Carbamic acid, [1-[[[4-[[2-(dimethylamino)ethyl]ethylamino]phenyl]amino]carbonyl]-3-methylbutyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



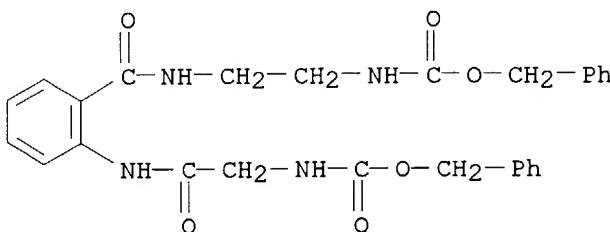
IT 137214-58-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation and salt formation of, with trifluoroacidic acid)  
 RN 137214-58-5 CAPLUS  
 CN Ethanaminium, 2-[ethyl[4-[[4-methyl-1-oxo-2-[(phenylmethoxy)carbonyl]amino]pentyl]amino]phenyl]amino]-N,N,N-trimethyl-, iodide, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1975:86615 CAPLUS  
DN 82:86615  
TI Intramolecular rearrangements in peptide derivatives of anthranilic acid  
AU Noguchi, Junzo; Kawai, Megumi; Hamada, Masato  
CS Fac. Sci., Hokkaido Univ., Sapporo, Japan  
SO Israel Journal of Chemistry (1974), 12(1-2), 87-101  
CODEN: ISJCAT; ISSN: 0021-2148  
DT Journal  
LA English  
AB The peptidylanthranilic acid ester is stable during peptide coupling. However, the amide bond of peptidylanthranilic acid is catalytically hydrolyzed at pH 7. In this reaction, no decomposition or significant racemization of peptide was observed and the protected peptide was easily obtained. Only glycylantraniloyl derivs. rearranged into peptide and anthranilic acid in aqueous solution  
IT 55301-22-9P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 55301-22-9 CAPLUS  
CN Carbamic acid, [2-oxo-2-[[2-[[[2-[[phenylmethoxy)carbonyl]amino]ethyl]amino]carbonyl]phenyl]amino]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



$\Rightarrow$